

NWS CHANGE FORM PART A			1. DATE SUBMITTED 20 March 2000 Received 5/2/00	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE APO		3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/AWO1		4. COGNIZANT TECHNICAL INDIVIDUAL Name: Chris Dietz Code:: W/APO Phone::301-713-0211 x.141
				5. ORIGINATOR TRACKING NUMBER P426_APO_A100056 Record ECP
6. SYSTEMS AFFECTED BY CHANGE <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____ </div> <div> <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) </div> </div>				7. WSH TRACKING NUMBER NWS 585 5/3/00
8. TITLE OF CHANGE Asynchronous Product Scheduler (APS) fix for extraneous 'N' problem.				
9. TYPE OF CHANGE <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY </div> </div>			10. SITES AFFECTED (Attach Part B, Page 2, if needed) ARX only. Other sites to get it in R4.3.3.	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) Before sending a product on the WAN to the NCF, the APS strips off the ZCZC/NNNN header and trailers, but doesn't do it completely - one 'N' is left at the end of the product. DR_5354 , targeted for Release 4.3.3				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) Modify the code to not add the final '\n' to a product; this will make the product size correct once again and the count valid. <ul style="list-style-type: none"> - To be implemented in 4.3.3 and beyond. - This patch may be installed on top of either R4.2.6 or 4.3.1. - Solution has been alpha tested at ARX. (No need to test on NMT). - See Attachment A for installation instructions. <u>Closure Criteria: SST will verify that the patch has been installed at ARX.</u>				
13. ALTERNATE SOLUTIONS None				
14. REQUIRED CHANGE DATE ASAP		15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) The site requires the change before 4.3.3.		
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL		<input type="checkbox"/> CCB LEVEL ONLY <input checked="" type="checkbox"/> FAST TRACK <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION		<input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED	SIGNATURE	
			DATE SIGNED	
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION		<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SIGNATURE	
			DATE SIGNED	

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER P426_APO_A100056	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWS 585	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) Associated with R4.3.3 development costs.			AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs)			AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs)			AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs)			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs)			AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits)			AMOUNT
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E)		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.)	
12. IMPLEMENTATION/RETROFIT SCHEDULE		13. FACILITY INFORMATION (Attach facility drawings/plans.)	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.)		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each)		17. COORDINATION OF CHANGE WITH OTHER CHANGES	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.)		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.)	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.)		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.)			

NWS CHANGE FORM

1. ORIGINATOR TRACKING NUMBER
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This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)

2. WSH TRACKING NUMBER
NWS 585

[illegible]

NWS CHANGE FORM PART C		1. ORIGINATOR TRACKING NUMBER P426_APO_A100056		
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.		2. WSH TRACKING NUMBER NWS 585		
3. CCB COST EVALUATION <div style="display: flex; justify-content: space-between;"> NWS COST \$ FAA COST \$ DOD COST \$ OTHER AGENCY COST \$ TOTAL COST \$ </div> <div style="text-align: center;">(SPECIFY) _____</div>				
4. IMPLEMENTATION DOCUMENTS REQUIRED <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Engineering Modification Note <input type="checkbox"/> Software Release Notes <input type="checkbox"/> Other Document (Specify) _____ </div>				
ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.				
5. IMPLEMENTATION ACTIVITY REQUIRED		6. REQUIRED COMPLETION DATE	7. RESPONSIBLE PERSON AND OFFICE	8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION
1. SST posts the patch on the NOAA1 server and notifies the site. 2. Ensure this change is reported to the Weather Service Headquarters (WSH) through the Engineering Management Reporting System (EMRS) according to the instructions in Engineering Handbook number 4, part 2. Record this RC number (NWS 585) in Block 17a of the EMRS report. 3. Ensure the appropriate WSH management information systems and configuration management data bases are updated to reflect these changes.		28 April 00 15 May 00 15 June 00	Thigpen/SST, W/APO3 ESA at ARX Michelle deTommaso W/OSO113	

Attachment A
Installation and Activation Instructions for AWIPS patches
P426_APO_A100056

INFORMATION THAT MUST ACCOMPANY ALL SOFTWARE PATCHES

Development organizations must provide the following information:

1. Name, development organization, phone number and email address of the person responsible for maintaining the software patch.

Rory Moore
713-0211 ext.138
Rory.moore@noaa.gov

2. List of **all** new files to be installed, and their current temporary (staging) location: i.e., ds1:/home/<org>/<username> - specify what <org> and <username> are as well as the names of all the files in this directory.

ds1:/home/napo/moore/asyncScheduler
Executable size: 1384636

3. Destination location for all files - include hostnames (ds1, as1, as2, ls1, workstations) and full pathname of target locations.

as1:/awips/fxa/bin/asyncScheduler

4. Where applicable, locations to be used for 'swap' operations. For example, if the files need to be on DS2 as well as DS1, specify both:

ds2-<site>/awips/fxa/data/myfile and
ds1-<site>/awips/fxa/data/myfile.

as2:/awips/fxa/bin/asyncScheduler

5. Permission and ownership settings for all files.

rwxr-xr-x
Owner fxa, group fxalpha

6. Complete instructions on how to edit any configuration files if they need to be edited *as a result of this installation*.

No edits required

7. A "merge" script if the structure of any existing configuration file has been altered (e.g., an additional field has been added to every row) and the configuration file is subject to local customization. The "merge" script must take the contents of the original configuration file and write them into the new file. The purpose of this is to preserve all locally generated entries.

N/A

8. Complete instructions on how to stop the old application and start the new one, including the location of all stop and start scripts.

SST already has the instructions for this.

9. Complete instructions on how to stop other processes if necessary (when the application has a run-time dependency on other processes, and stopping/restarting it would impact those other processes)

The Text Notification Server must be up and running before the APS is re-started.

10. Instructions on how to stop the new application if there appears to be a problem of any kind. (Also include instructions on how to stop other dependent processes if applicable.)

SST already has the instructions for this.

11. Instructions on how to restore all original files and re-start the original application, including how to re-start any other dependent processes if applicable. Include the complete location of all relevant stop and start scripts.

SST will provide instructions

12. Information regarding the baseline status of the patch:

will the next AWIPS installation at the site overwrite any of the files included in the patch?
[Remember, sites may have different releases of AWIPS; also some releases are only incremental upgrades not complete installations]

If a site is running 4.2.6 and is upgraded to 4.3/4.3.1, this patch will get overwritten.

If a site is running 4.3.1 and is upgraded to 4.3.3, this patch will get overwritten

if the next AWIPS installation at the site will overwrite the patch, will the patch be included in the new baseline?

If the site is upgraded to 4.3/4.3.1, the patch will NOT be included in the new baseline.

If the site is upgraded to 4.3.3 or later, the patch WILL be included in the new baseline.

if the patch is not contained in the new baseline should the patch be re-installed at the site after the installation?

If the site is upgraded to 4.3/4.3.1, they should re-install the patch after the installation.

If the site is upgraded to 4.3.3 or later, they should NOT re-install the patch after the installation.

13. Information regarding the “shelf life” of the patch: is the patch only intended to be operational on a temporary basis? (For example because of a temporary mission requirement, or because an external dependency will eventually be removed..) If so, when should it be removed and how will the site/NCF/SST know when the appropriate time has come?

Patch must remain operational until R4.3.3 is installed at the site.

14. Test procedures for the site/SST/NCF to verify that the patch performs as intended.

1. Issue a test product from a PC to AWIPS via the APS.

2. Verify that the product has been stored in the local AWIPS text database.

3. Monitor the textDB until the version of the same product has been received by the site as a result of broadcast over the SBN; verify that the 2nd version of the product stored in the textDB does NOT have a stray 'N' at the end. The two versions should only differ by the presence of a WMO header at the top of the second product.